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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/714,273	11/17/2000	Govind Malalur	108339-09059	5515
32294 7590 07/18/2006				
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2164				

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Please find below and/or attached an Office communication concerning this application or proceeding.

DETAILED ACTION

1. This action is issued in response to applicant's amendment filed 5/22/06.
2. Claims 1-15 are pending.
3. Applicant's arguments with respect to claims 1-15 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 2, 4-9, and 11-15 are rejected under 35 U.S.C. 102(e) as being anticipated by Bechtolsheim et al. (Bechtolsheim hereinafter) (US Patent No. 6,829,217)

Regarding Claims 1, 8, and 15, Bechtolsheim discloses a method of performing a table look-up in a network device comprising the steps of:

receiving a data packet (Fig. 3, step 300 input packet Col. 5, lines 29-33, Bechtolsheim) through an input port of the network device (Col. 5, lines 4-12, Bechtolsheim);

parsing said data packet into an index portion and a corresponding bucket portion (Col. 5, lines 30-37, Bechtolsheim))

indexing, directly, said index portion to said corresponding bucket portion (Col. 6, lines 37-50, Bechtolsheim);

accessing address table information stored in an address look-up table (Col. 11, lines 55-60, Bechtolsheim);

Regarding Claims 2, and 9, Bechtolsheim discloses a method wherein said step of indexing said index portion to said bucket portion is the step of linearly indexing said index portion to said bucket portion (Col. 7, lines 43-47, Bechtolsheim).

Regarding Claims 3, and 10, Bechtolsheim discloses a method wherein said step of indexing said index portion to said bucket portion is the step of XOR indexing said index portion to said bucket portion (Col. 6, Table 2, lines 16-27, Bechtolsheim)

Regarding Claims 4, and 11, Bechtolsheim discloses a method further comprising the step of sorting said bucket portion (Col. 8, lines 37-43, Bechtolsheim).

Regarding Claims 5, and 12, Bechtolsheim discloses a method further comprising the step of binary sorting said bucket portion (Col. 8, lines 3-5, Bechtolsheim).

Regarding Claims 6, and 13, Bechtolsheim discloses a method wherein the step of parsing said data packet into an index portion and a corresponding bucket portion further comprises the step of parsing said index portion so that said index portion will recur when other data is parsed into said index portion and said corresponding bucket portion (Col. 8, lines 6-17, Bechtolsheim).

Regarding Claims 7, and 14, Bechtolsheim discloses a method further comprising the step of storing information regarding said data in said address look-up table as table information when no table information is available using said bucket portion to access table information (Col. 7, lines 17-25, Bechtolsheim).

Other Prior Art Made of Record

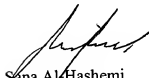
1. Spinney (US Patent No. 5,414,704) discloses address look-up in packet data communication link, using hashing and content-addressable memory.
2. Douceur (US Patent No. 6,067,547) discloses hash table expansion and contraction for use with internal searching.
3. Warren (US Patent No. 6,690,667) discloses a switch with adaptive address lookup hashing scheme.
4. Spinney (US Patent No. 5,414,704) discloses an address lookup in packet data communications link using hashing and content addressable memory.
5. Bauman (US Patent No. 6,046,979) discloses a method and apparatus for controlling the flow of variables length packets through a multi-port switch.
6. Moreton (US Patent No. 5,506,624) discloses a rotating sample of video images.
7. Walker et al. (US Patent No. 5,999,596) discloses a method and system for controlling authorization of credit card transactions.
8. Bechtolsheim et al. (US Patent No. 6,829,217) discloses a per-flow dynamic buffer management.

Points of Contact

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sana Al-Hashemi whose telephone number is (571) 272-4013. The examiner can normally be reached on 8Am-4:30Pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Ronse, can be reached on (571) 272-4085. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Sana Al-Hashemi
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July 13, 2006